

Claims

1. A brush holder for an electrical machine, including a housing (2) for receiving a brush (11), a prestressing element (7), and a securing element (3, 5) disposed on the housing (2), for securing the brush holder to the electrical machine, wherein the securing element (3, 5) is embodied as essentially T-shaped.
2. The brush holder as defined by claim 1, characterized in that the securing element (3, 5) includes two essentially T-shaped elements, which are disposed diametrically opposite one another on the housing (2).
3. The brush holder as defined by one of the foregoing claims, characterized in that the T-shaped securing element (3, 5) is formed in one piece with the housing (2).
4. The brush holder as defined by one of the foregoing claims, characterized in that the brush holder is fixed on the electrical machine by means of the prestressing element (7).
5. The brush holder as defined by one of the foregoing claims, characterized in that the prestressing element (7) is embodied as a spring.
6. The brush holder as defined by claim 5, characterized in that the spring (7) is disposed outside the housing (2), and a spring arm (8), through a recess (12) in the housing (2), exerts prestressing on the brush (11).

7. The brush holder as defined by claim 5 or 6, characterized in that the spring (7) has essentially V-shaped spring ends (9, 10), for fixing the housing (2) to the electrical machine.
8. The brush holder as defined by claim 7, characterized in that the essentially V-shaped spring ends (9, 10) are guided via a base of the T-shaped securing elements (3, 5).
9. The brush holder as defined by one of the foregoing claims, characterized in that the prestressing element (7) is fixed at two tabs (18, 19) and two recesses (20, 21) of a holder (15) of the electrical machine.
10. The brush holder as defined by one of the foregoing claims, characterized in that the housing (2), on the side on which the prestressing element (7) rests, has an undulating exterior.
11. The brush holder as defined by one of the foregoing claims, characterized in that the housing (2) is formed of two housing parts (2a, 2b), and the T-shaped securing element (3, 5) is formed of the two housing parts (2a, 2b), or that the housing (2) is embodied in one part with the integrally formed T-shaped securing element (3, 5).
12. An electrical machine, in particular an electric motor for power tools, including a brush holder as defined by one of the foregoing claims.